HazCollect Rollout Phases

HazCollect will be introduced in phases by geographic area

- However, no registrant will be denied use of the system solely based on the user's geographic location

- Phase 1, April 30, 2009
  - All participants in NWS HazCollect testing continue access
  - KY, WI, HI, AK, FL (only State Watch Office initially), east WA & north ID
- Phase 2, May 26, 2009
  - GA, AL, TN, LA, MS, AR, MO, SC, NC, VA, WV, MD, DE, DC, rest of FL
- Phase 3, June 8
  - WA, OR, UT, CA, NV, AZ, NM, TX, OK, CO, KS, NE, IA, IL
- Phase 4, June 22
  - ND, SD, MN, MI, IN, OH, PA, NY, NJ, CT, RI, MA, NH, VT, ME
- Phase 5, July 1, 2009
  - WY, ID, MT, GU, PR, VI, American territories in Pacific

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HazCollect

Until now, when a government authority at the state, regional, or local level needed to issue a public warning through the National Weather Service (NWS) dissemination system, the message had to be faxed or telephoned to the relevant Weather Forecast Office (WFO) for manual entry. This process could result in delays or transcription errors.

As HazCollect becomes operational nationally during May and June 2009, the process will become automated, thereby reducing errors and delays. For further information on the national roll out schedule, visit the NWS HazCollect Web site.

A Non-weather Emergency Message (NWEM) is a specialized form of an OASIS Common Alerting Protocol (CAP) alert that is communicated to the HazCollect server via DM-OPEN. The DMIS Desktop Tools incorporates an NWEM authoring tool for the use of warning authorities, although the authoring tool is not available for use until the HazCollect authorization process is completed. Third party developers may also develop authoring tools utilizing DM-OPEN's NWEM Application Programming Interface (API).

- For Government - Information for state, regional, or local warning authorities.
- For Developers - Information for third party developers.
- Training - Access to HazCollect required training and DMIS Tools resources.
- References - Related documents and resources.
- Frequently Asked Questions - Answers to popular questions.

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Update: April 30, 2009
HazCollect is operational effective April 30, 2009.
May and June will be a phase-in period. Outreach and the required training and registration processes will be focused in the named areas. The states of Wisconsin, Kentucky, Alaska, Hawaii, Florida and portions of Idaho and eastern Washington will lead the HazCollect phase-in during May.
Other states will be added starting May 26 with national availability by July 1; however, emergency managers from other areas will not be turned away because of their location.
See the "For Government" information and registration steps below that requires two registrations:
First: Disaster Management Interoperability Services (DMIS) registration to obtain your Collaborative Operations Group (COG) identity.
Second: HazCollect registration to obtain approval to use HazCollect your area of responsibility.
See the April 30, 2009, HazCollect Status Update under Resources below for more complete information. Previous update messages are also available.

See the April 30, 2009, HazCollect Status Update under Resources below for more complete information. Previous update messages are also available.

HazCollect, the NWS's All-Hazards Emergency Message Collection System, is a comprehensive national solution for the centralized collection and efficient distribution of Non-Weather Emergency Messages (NWEMs). NWEMs created by government officials with public warning authority are distributed through the NWS dissemination infrastructure, NOAA Weather Radio All Hazards, other national systems, and to the nation's Emergency Alert System (EAS).

A Non-weather Emergency Message (NWEM) is a specialized form of an OASIS Common Alerting Protocol (CAP) alert that is communicated to the HazCollect server via FEMA's Disaster Management Open Platform for Emergency Networks (DM-OPEN) interoperability infrastructure. FEMA's Disaster Management Interoperability Service (DMIS) Desktop Tools incorporates an NWEM authoring tool for the use of warning authorities, although the authoring tool is not available for use until the HazCollect registration process is completed. Third party developers may also develop authoring tools utilizing DM-OPEN's NWEM Application Programming Interface (API).

- For Government: Registration information for state, regional, or local warning authorities.
- For Developers: Information for third party developers.
- Training: Access to HazCollect required training and DMIS Tools resources.
- References: Related resources and documents.
- Frequently Asked Questions: Answers to popular questions.
- Contact Us: Help Desk, Training, Registration, and other support contacts

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For Government

- Step 1: Is your organization eligible?
- Step 2: Has a DM COG been established for your organization?
- Step 3: Complete the training
- Step 4: Request Access to HazCollect from the National Weather Service
- Step 5: Configure your software application
- Step 6: Ensure appropriate individuals receive training

The following steps represent the process that warning authorities will use to access the HazCollect system.

Step 1: Is your organization eligible?

State, regional, and local warning authority may be determined based upon government jurisdiction plans and statutory authorities. Related plans include:

- Emergency Alert System (EAS) Plan (State/Local Emergency Communications Committee)
- Amber Alert Plan (State Amber Alert Committee/Law Enforcement Agency)
- Emergency Operations Plan, Warning Annex (State/Local Emergency Management Agency)

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Step 1: Is your organization eligible?

State, regional, and local warning authority may be determined based upon government jurisdiction plans and statutory authorities. Related plans include:

- Emergency Alert System (EAS) Plan (State/Local Emergency Communications Committee)
- Amber Alert Plan (State Amber Alert Committee/Law Enforcement Agency)
- Emergency Operations Plan, Warning Annex (State/Local Emergency Management Agency)

Typically, the authority for warning is assigned to the jurisdiction's chief operating officer, and delegated to subordinates. Your jurisdiction should have a clear, written policy as to who may exercise warning authority, to ensure that warning coverage is provided 24 hours a day, 7 days a week.

HazCollect Review Group (HRG)

Primary review considerations of HRG and WCMs

- DMIS COG registered?
- HazCollect Principles and NWEM Best Practices training?
  - COG Administrator
  - COG “post” or “publish” members
- Authorization to issue emergency alerts to the public
  - EAS operational plan or similar agreement authorize?
  - Must state EMA watch officer approve local messages?
- EAS plan current with event codes adopted by FCC in 2002?

Step 2: Has a DM COG been established for your organization?

Whether you plan to use the DMIS Tools HazCollect authoring tool, or another product provided by a third party developer, your warning organization must enroll for a Disaster Management (DM) Collaborative Operating Group (COG). If you have used DMIS Tools in the past, it is likely that a COG exists for your organization. However, if you have not used DMIS Tools before, you will need to apply. Go to the DMIS Tools section of this Web site, review the Get DMIS Tools section, and complete the linked registration form. If you do not need to download the DMIS Desktop Tools application, please annotate that fact in the remarks section of the form.

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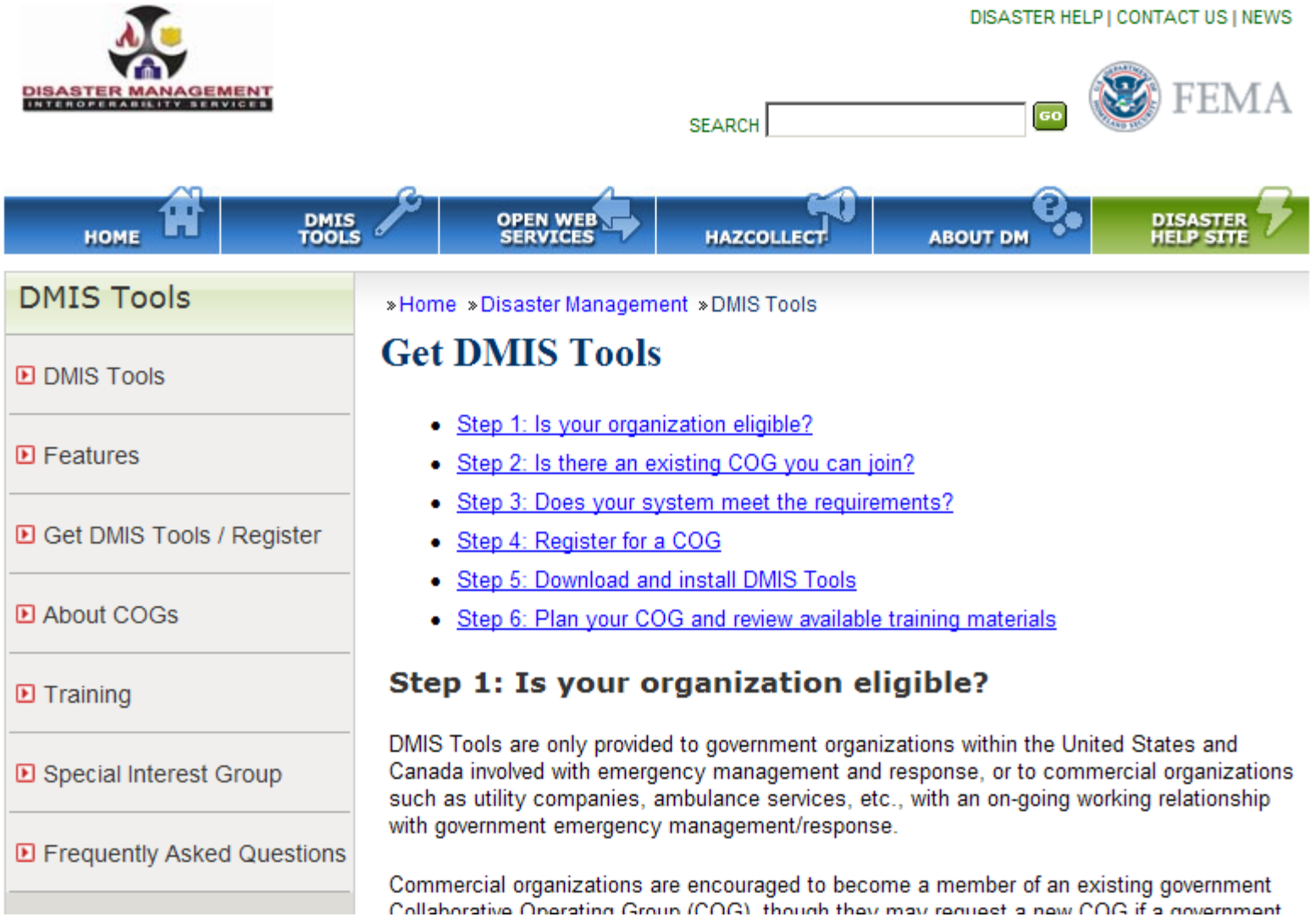
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Step 1: Is your organization eligible?
Step 2: Is there an existing COG you can join?
Step 3: Does your system meet the requirements?
Step 4: Register for a COG
Step 5: Download and install DMIS Tools
Step 6: Plan your COG and review available training materials
Step 1: Is your organization eligible?
DMIS Tools are only provided to government organizations within the United States and Canada involved with emergency management and response, or to commercial organizations such as utility companies, ambulance services, etc., with an on-going working relationship with government emergency management/response.
Commercial organizations are encouraged to become a member of an existing government

Step 3: Complete the training

Completion of training in HazCollect Principles and Non-weather Emergency Messages Best Practices is a pre-requisite for access to the HazCollect system.

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Step 4: Request Access to HazCollect from the National Weather Service

Once you have completed Steps 1-3 above, you will be ready to apply for access to HazCollect. Please see the National Weather Service HazCollect Application.

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The training is self-paced and is estimated to take two to three hours to complete. A series of Job Aids is included to assist you with your HazCollect implementation. A brief final test is required to demonstrate proficiency.

The training is provided in three formats - online, ZIP file for local installation, PDF file for printable version -- all hosted from the MetED Learning Management System, operated by the Cooperative Program for Operational Meteorology, Education and Training (COMET ®) Program. The final test must be completed online, and instructions for accessing the test and reporting results are provided within the training.

The training is available @ http://courses.comet.ucar.edu/course/view.php?id=26

If you have previously registered with MetEd, you will be redirected to the MetEd home page for log in. If you have not previously registered, you may access the registration from the log in page. Please note that your browser must allow cookies in order to use the MetEd system. If you take the training online or via local installation, you will also need to disable any pop up blocker.

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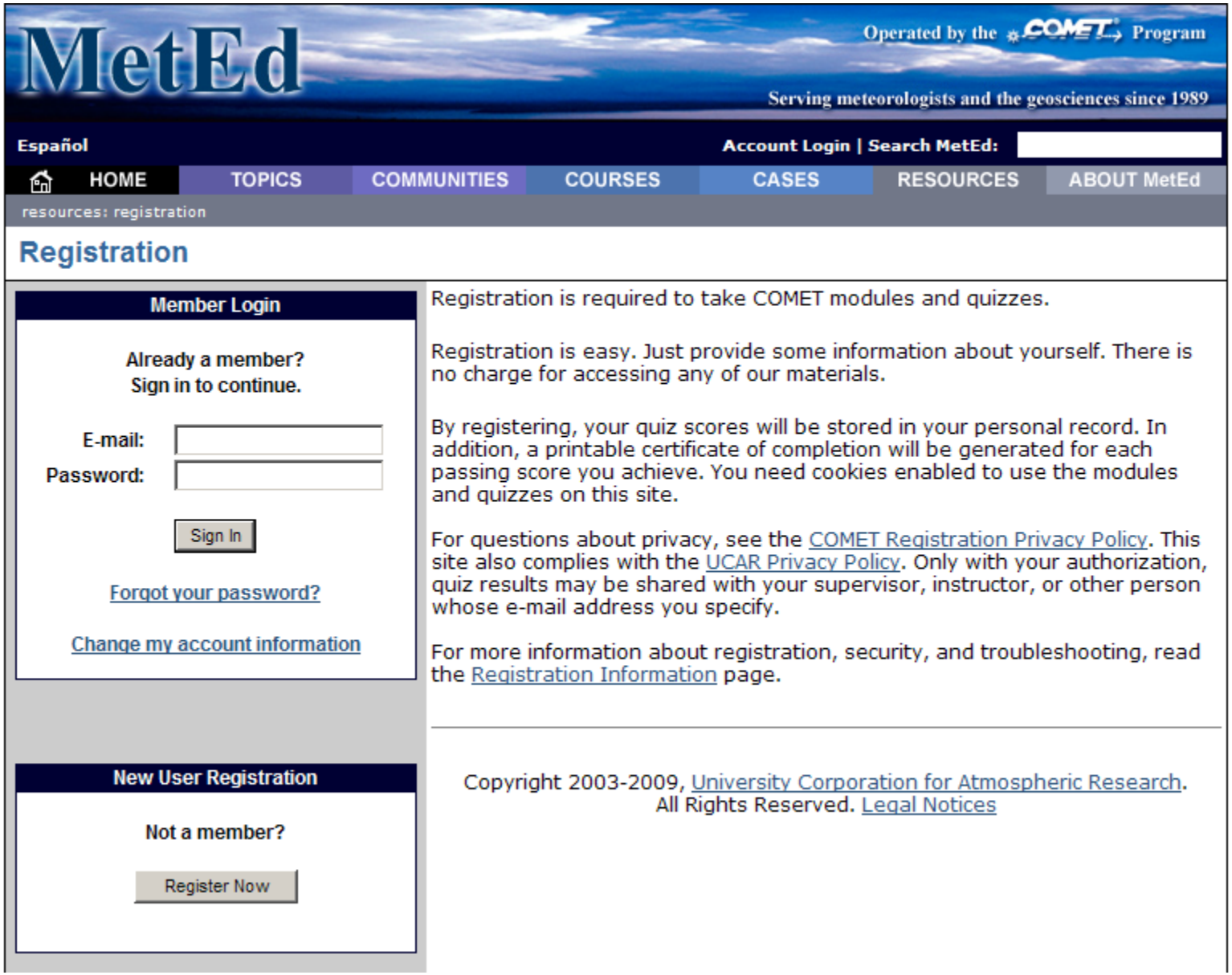
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Registration
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Already a member?
Sign in to continue.
E-mail:
Password:
Sign In
Forgot your password?
Change my account information
New User Registration
Not a member?
Register Now
Registration is required to take COMET modules and quizzes.
Registration is easy. Just provide some information about yourself. There is no charge for accessing any of our materials.
By registering, your quiz scores will be stored in your personal record. In addition, a printable certificate of completion will be generated for each passing score you achieve. You need cookies enabled to use the modules and quizzes on this site.
For questions about privacy, see the COMET Registration Privacy Policy. This site also complies with the UCAR Privacy Policy. Only with your authorization, quiz results may be shared with your supervisor, instructor, or other person whose e-mail address you specify.
For more information about registration, security, and troubleshooting, read the Registration Information page.
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HazCollect Principles and NWEM Best Practices

You are logged in as Amy Sebring (Lo

COMET Courses ▶ hazcollect2009

Topic outline

Welcome to the 'HazCollect Principles and Non-weather Emergency Message (NWEM) Best Practices' course. If you intend to apply to the National Weather Service for HazCollect access, this course must be successfully completed prior to HazCollect registration.

The online version of the course is accessed from the first link below. Please disable any pop up blocker and the course will open in a new browser window. You may take the course at your own pace, but the training does not automatically resume from where you left off. A left side navigation panel may be used to return to your next lesson.

An identical ZIP version of the course may be downloaded by clicking on the second link below. You must return to this site for the final test per the instructions included on the last page of the course. In the near future, we will also provide a printable PDF version. Please check back for availability.

Direct links to the Job Aids included with the course are provided below for easy access in the future for those who have completed the training.

Please note: The course content presumes that multiple, third party Non-weather Emergency Message authoring tools are available, and we expect that to be the case during the upcoming months. At the moment, the only known third party application on the market is one developed by Hormann America, who participated in the NWS HazCollect Mini-operational Test and Evaluation. (Neither FEMA nor NWS make any product endorsements; this information is provided as a service only.) In the meantime, the FEMA DM Program DMIS Tools are available at no charge to qualifying organizations, as explained in this course.

Administration

Profile

Direct links to the Job Aids included with the course are provided below for easy access in the future for those who have completed the training.

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For any questions or for more information about this course, please contact: asebring@emforum.org . Once you have launched the course, additional related contacts are provided from the 'Contact Us' link on the top services bar.

We hope this course is beneficial to you, and we welcome your comments and suggestions. After the final test you will have the option of completing a feedback survey, and we encourage you to do so.

Updated May 1, 2009

- HazCollect Principles and NWEM Best Practices Online Course
- HazCollect Course for Download and Local Installation
- Job Aid #1, NWEM Worksheet
- Job Aid #2, Warning Decision Tree
- Job Aid #3, Generic NWEM Template
- Job Aid #4, HazCollect Standard Operating Procedure Template
- Job Aid #5, HazCollect After Action Review Checklist

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HazCollect Principles and Non-weather Emergency Message (NWEM) Best Practices

+ 1. HazCollect Overview
+ 2. NWEM Message Types
+ 3. NWEM Data Elements
+ 4. Best Practices
+ 5. Implementing HazCollect
+ 6. Next Step

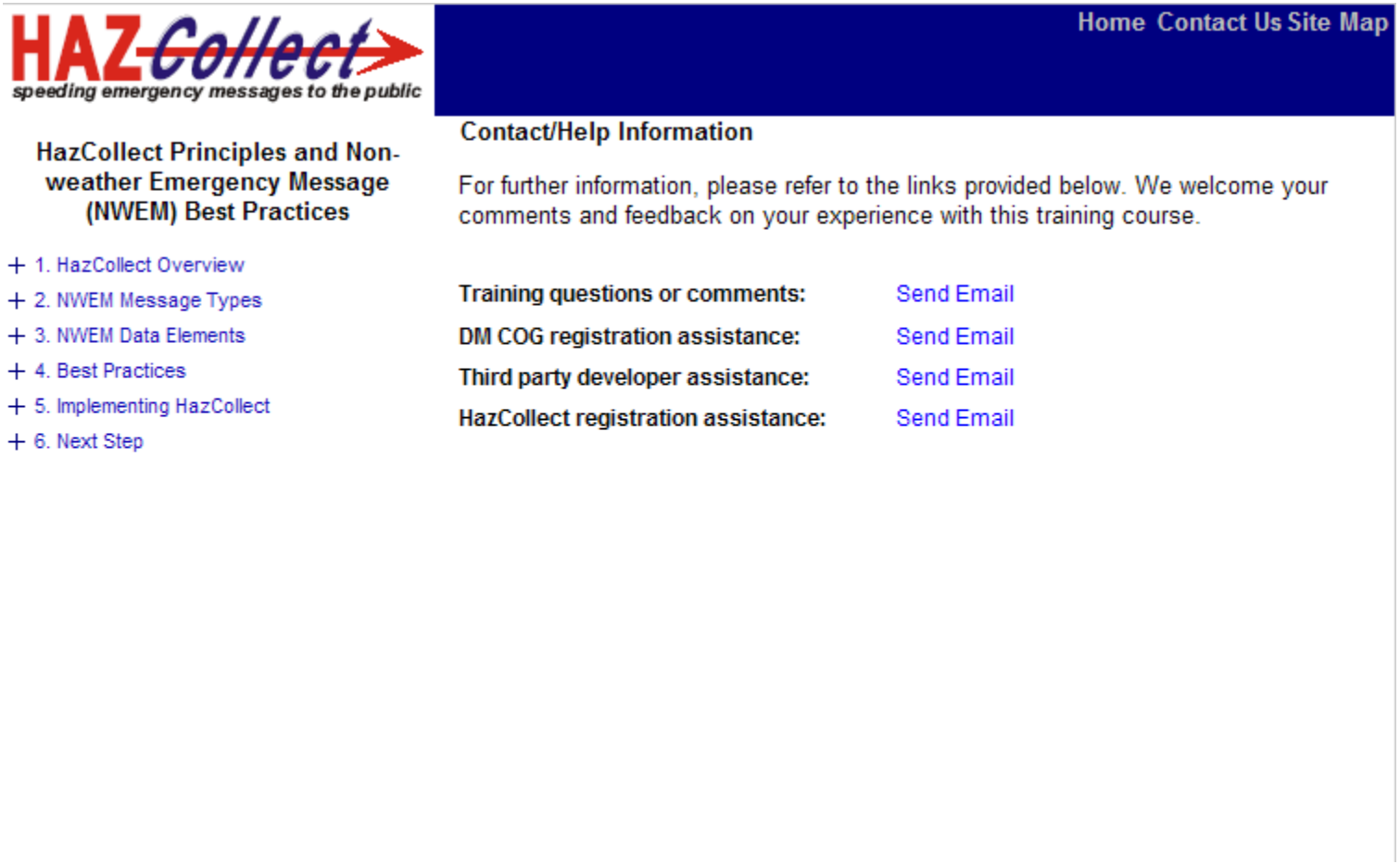
HazCollect Principles and Non-weather Emergency Message (NWEM) Best Practices

Welcome! The purpose of this course is to ensure that appropriate, complete, and accurate warnings and alerts are issued to the public through the HazCollect system by authorized warning officials. By mastering this training material, you will gain a general understanding of the HazCollect system, the underlying Common Alerting Protocol (CAP) elements, and either an introduction or refresher for warning best practices. Equally important, this course provides resources for your jurisdiction to plan, implement, and continually improve an effective warning program.

This training is designed for employees of state or local governments who intend to use the HazCollect system to issue public warnings on behalf of their jurisdiction or area of responsibility. The completion of this training is a pre-requisite for HazCollect authorization.

The training material is organized into five chapters. You may work at your own pace and stop or resume the training at any time; however, it is recommended that you complete the material in the sequence presented. Although self-assessment quizzes are optional throughout the course, you are encouraged to complete them to assist you in reta Resource material.

We hope you find the content and resources provided to be valuable, and we appreciate your comments and feedback.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+ 2. NWEM Message Types
+ 3. NWEM Data Elements
+ 4. Best Practices
+ 5. Implementing HazCollect
+ 6. Next Step
Contact/Help Information
For further information, please refer to the links provided below. We welcome your comments and feedback on your experience with this training course.
Training questions or comments: Send Email
DM COG registration assistance: Send Email
Third party developer assistance: Send Email
HazCollect registration assistance: Send Email

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HazCollect Principles and Non-weather Emergency Message (NWEM) Best Practices

+ 1. HazCollect Overview
+ 2. NWEM Message Types
+ 3. NWEM Data Elements
− 4. Best Practices
  - 4.1 Social Context
  - 4.2 Alerting Criteria
  - 4.3 Description Content
  - 4.4 Instruction Content
  - 4.5 Style Considerations
  - 4.6 NWEM Templates
  - 4.7 Monitoring Response
  - 4.8 Chapter Summary
+ 5. Implementing HazCollect
+ 6. Next Step

HazCollect Principles and Non-weather Emergency Message (NWEM) Best Practices

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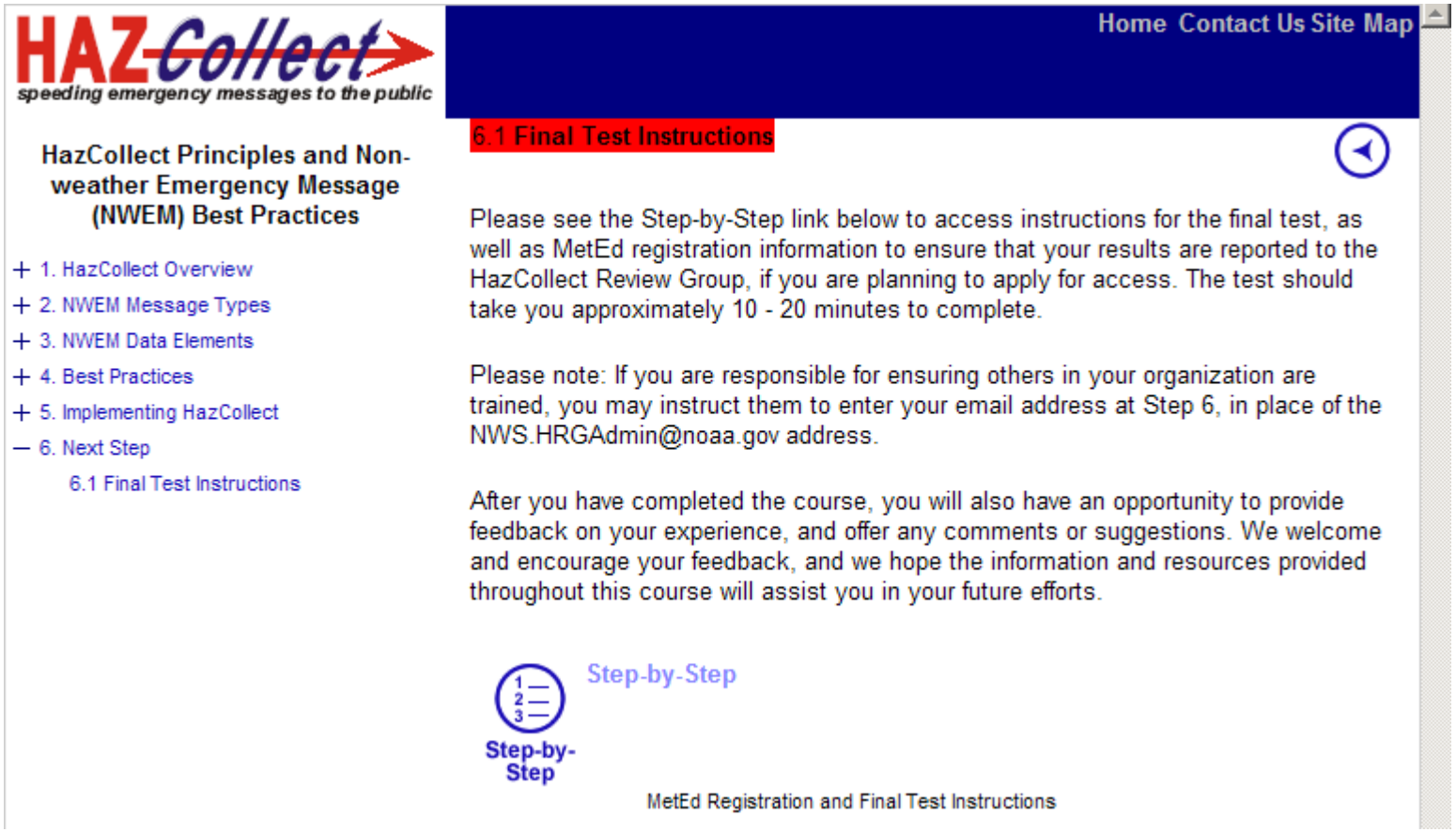
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— 6. Next Step
6.1 Final Test Instructions
6.1 Final Test Instructions
Please see the Step-by-Step link below to access instructions for the final test, as well as MetEd registration information to ensure that your results are reported to the HazCollect Review Group, if you are planning to apply for access. The test should take you approximately 10 - 20 minutes to complete.
Please note: If you are responsible for ensuring others in your organization are trained, you may instruct them to enter your email address at Step 6, in place of the NWS.HRGAdmin@noaa.gov address.
After you have completed the course, you will also have an opportunity to provide feedback on your experience, and offer any comments or suggestions. We welcome and encourage your feedback, and we hope the information and resources provided throughout this course will assist you in your future efforts.
Step-by-Step
Step-by-Step
MetEd Registration and Final Test Instructions

Step 3: Complete the training

Completion of training in HazCollect Principles and Non-weather Emergency Messages Best Practices is a pre-requisite for access to the HazCollect system.

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Step 4: Request Access to HazCollect from the National Weather Service

Once you have completed Steps 1-3 above, you will be ready to apply for access to HazCollect. Please see the National Weather Service HazCollect Application.

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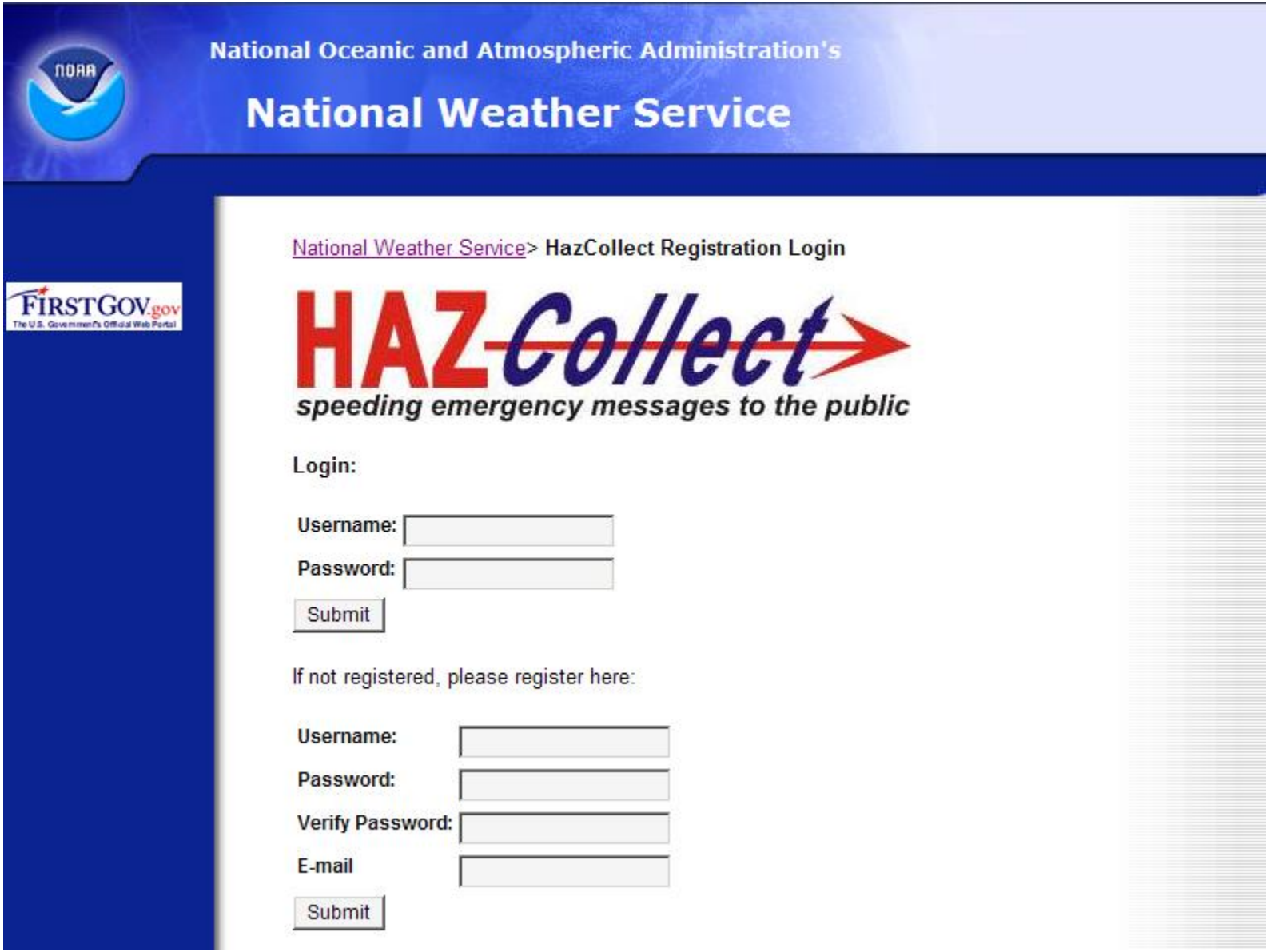
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The U.S. Government's Official Web Portal
National Weather Service> HazCollect Registration Login
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Password:
Verify Password:
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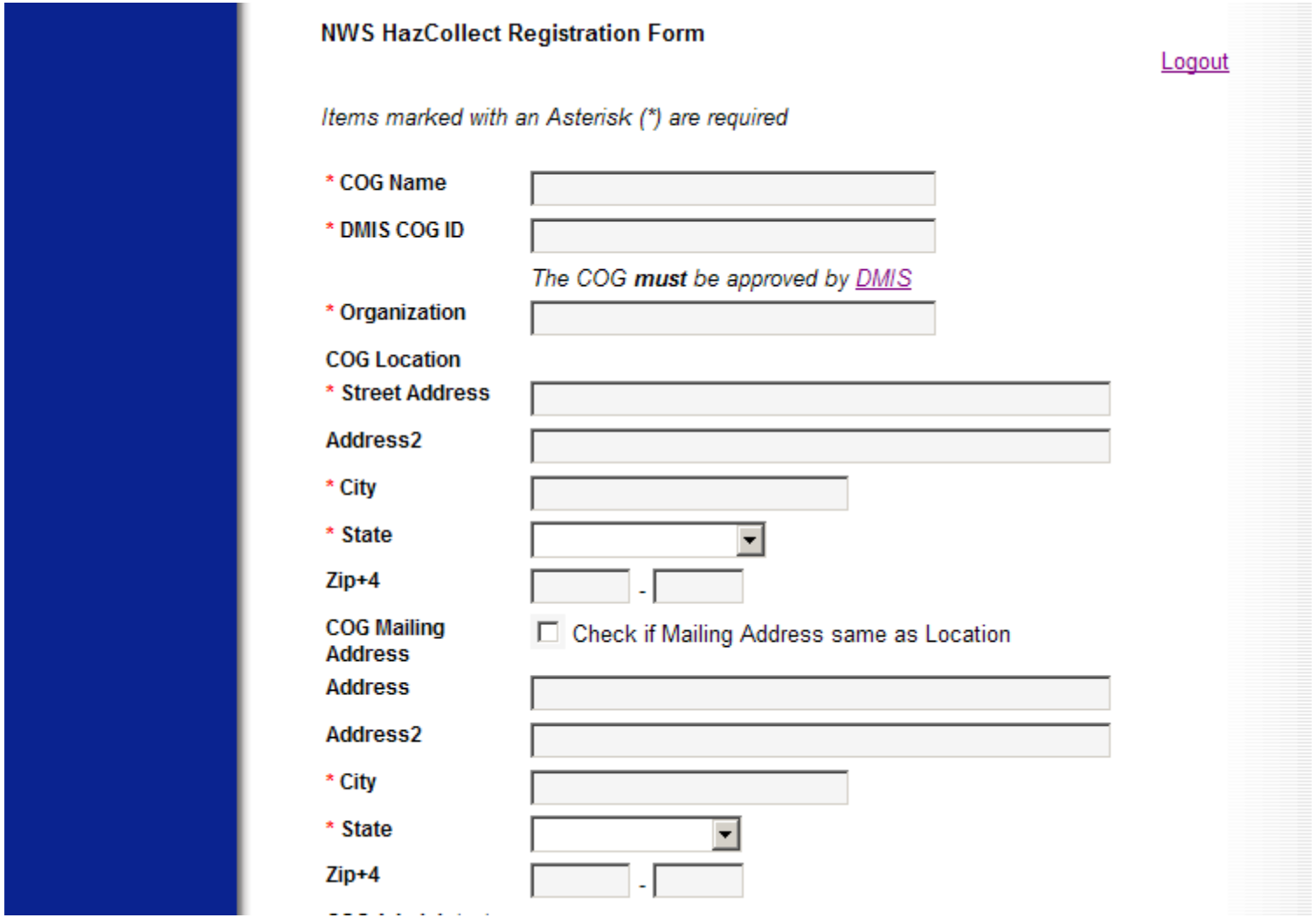
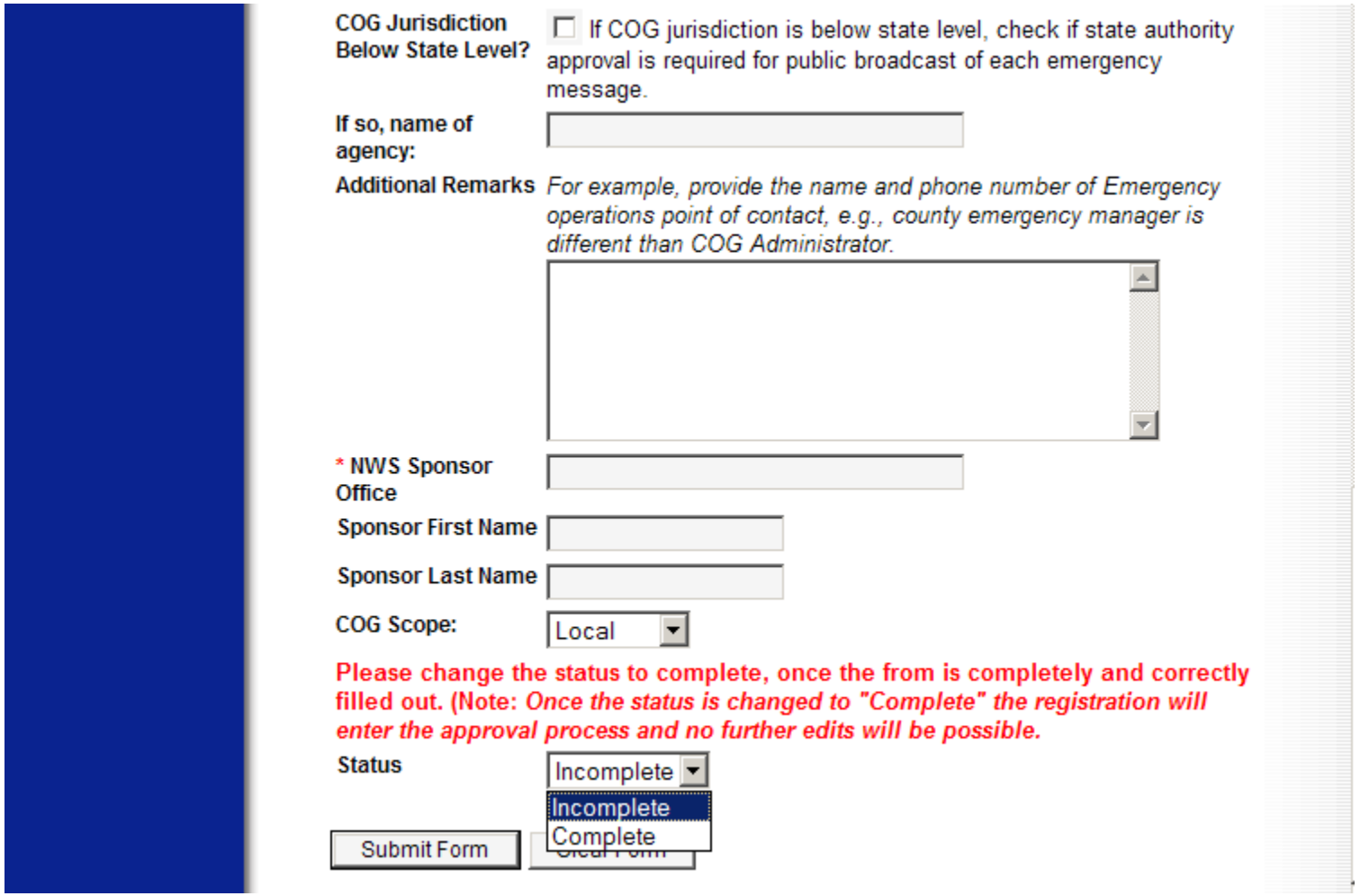

NWS HazCollect Registration Form
Logout
Items marked with an Asterisk (*) are required
* COG Name
* DMIS COG ID
The COG must be approved by DMIS
* Organization
COG Location
* Street Address
Address2
* City
* State
Zip+4
COG Mailing Address
Check if Mailing Address same as Location
Address
Address2
* City
* State
Zip+4


COG Jurisdiction Below State Level?
If COG jurisdiction is below state level, check if state authority approval is required for public broadcast of each emergency message.
If so, name of agency:
Additional Remarks
For example, provide the name and phone number of Emergency operations point of contact, e.g., county emergency manager is different than COG Administrator.
* NWS Sponsor Office
Sponsor First Name
Sponsor Last Name
COG Scope:
Local
Please change the status to complete, once the from is completely and correctly filled out. (Note: Once the status is changed to "Complete" the registration will enter the approval process and no further edits will be possible.
Status
Incomplete
Incomplete
Complete
Submit Form

Step 5: Configure your software application

You will be notified via email when your application for HazCollect access has been approved. For DMIS Tools users, it will be at this point that the NWEM authoring tool becomes activated. For a list of other known suppliers of NWEM authoring software, see the HazCollect Frequently Asked Questions.

Your system administrator will need to configure accounts and NWEM posting permissions per the jurisdiction's warning policy (see Step 1). In addition, if your authoring tool provides the capability, you should pre-populate hazard specific warning templates that comply with warning best practices and technical requirements

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Step 6: Ensure appropriate individuals receive training

It will be the responsibility of the requesting jurisdiction to ensure that system operators receive the training required in Step 3 above, and how to use the NWEM authoring software. It is highly recommended that your jurisdiction collaborate with the appropriate NWS Weather Forecast Office's Warning Coordination Meteorologist (WCM) for implementation. (Consult the NWS WCM Roster as needed.) It is also recommended that practice with HazCollect be routinely included in the jurisdiction's emergency response exercises.

Using DMIS Tools for HazCollect NWEMs

A two part training series has been developed for DMIS Desktop Tools, which concentrates on the essentials for deploying and using DMIS to author and transmit NWEMs.

- Part 1: Introduction to DMIS and COG Administration, *(PPT, 1.8 MB)*
- Part 2: CAP Alerting and Non-weather Emergency Messages, *(PPT, 2.8 MB)*

The next offering of this course online via Live Meeting is scheduled for **Tuesday, May 19, 3:00 PM EDT**, (Part 1) and **Tuesday, May 26, 3:00 PM EDT**, (Part 2). To request an invitation, please email DMIS@eyestreet.com.

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Download Plug-in

Some of the links on this page require a plug-in to view them. Links to the plug-ins are available below.

PowerPoint

DISASTER MANAGEMENT

INTEROPERABILITY SERVICES

Introduction to Disaster Management Interoperability Services (DMIS)

DISASTER MANAGEMENT

INTEROPERABILITY SERVICES

DMIS COG Administrator Course

DMIS Web Services Release 2.3

CAP Alerting Topic Outline

- Generating a Quick CAP Alert
- Generating a "Full" CAP Alert
  - Understanding the Alerts List
  - Authoring
    - Areas Details
    - Resource Details
  - Attachments
- Alerts from within an Incident Record

DISASTER MANAGEMENT
INTEROPERABILITY SERVICES

HazCollect Topic Outline

- What are NWEMs?
- What's the Operational Flow?
- HAZCollect COGS
- Alerts List
- Viewing an NWEM
- Creating a New NWEM
- Saving a New NWEM
- Saving a Copy of an NWEM
- Editing an NWEM
- Posting an NWEM
- Creating an Update Message
- Creating a Correction Message

HazCollect

Information, outreach resources and links to training and registration:

weather.gov/os/hazcollect

Herb White, Dissemination Services Manager, Email: Herbert.White@noaa.gov
Steve Pritchett, HazCollect Project Manager, Email: Steven.Pritchett@noaa.gov
Tom Ferrentino, DM Training, Email: Tom.Ferrentino@eyestreet.com
Amy Sebring, DM Outreach, Email: asebring@emforum.org